

ULTRA SONIC HOMOGENIZER

ALS-INS043



CELL SONICATOR FOR ANIMAL AND PLANT CELLS

- Probe sonicator ALS-INS043, An ideal ultrasonic cell disintegrator for experiments. Includes 150W control unit and transducer with variable power, output, stand, tool kit and instruction manual. Designed to handle a variety of applications including disruption of cells, bacteria, spores, emulsification of immiscible liquids, homogenization, uniform dispersion of particles in liquid, acceleration of reactions, depolymerization of large molecules and degassing of liquids. Sample volumes can range from 10-100ml with the availability of different size titanium tips. microscale sample is not suited.
- ALS-INS043 ultrasonic cell kibble is a multi-function and multipurpose apparatus that can dispose material with strong ultrasonic wave, which can create cavity effect in liquid. They are mostly used to break tissue of animal and plants, cells, bacteria and spore bacteria, and emulsify, separate, mix, remove foam, clean substances and accelerate chemical reaction. They are ideal tools to separate, reform & recombine organic, inorganic & nanomaterial. The instrument can be used in research & production in the fields of biochemistry, microbiology, molecular biology, medical chemistry, surface chemistry, physics, botany & zoology.

FEATURES

- Fully microprocessor controlled
- Completely programmable • Digital display
- Optical processing efficiency
- Auto-tuning for convenience of use
- Variable power output, 0-150W
- Integrated sound abating chamber to reduce citational sound emitted during processing

Tip Model	Frequency(KHZ)	Power Range	Crushing Capacity
φ ₂ 1/12	20-25KHz	20-250W	0.5-5ml
φ ₃ 1/8	20-25KHz	300-400W	3-10ml
φ ₆ 1/4	20-25KHz	60-650W	10-100ml

TECHNICAL SPECIFICATION

Power rating	150W
Output frequency	20-25KHz
Sample volume	10-100ml
Standard Titanium horn	6(10-100ml)
Optional Titanium horn	3(3-10ml), 2(0.5-3ml)
Dimensions	534x295x435mm
Weight	9.3Kg